

ABSTRACT

A measuring device , e.g., a measuring device for a motor vehicle, is for measuring a distance between the measuring device and at least one object and/or measuring a difference
5 in speed between the measuring device and the at least one object. The measuring device includes an emitting apparatus for transmitting a transmission signal encompassing at least two sequences of signal portions, a first sequence of signal portions and a second sequence of signal portions with two
10 respective temporally alternating signal portions. The frequency of at least two signal portions of a sequence of signal portions differs by one respective difference frequency, the difference frequency of the first sequence of signal portions being different from the difference frequency
15 of the second sequence of signal portions.